

PROJECT DESCRIPTION

I. GENERAL

This project involves the upgrade of all existing signal heads to LED heads, the installation of 2 new supplemental heads for the WB to SB movements and the removal of a WB to NB signal head. Additionally, the advance left turn bay for the WB to SB movement will also be re-marked to more clearly align drivers with the turn lane and to prevent side by side queueing in the lane. This WB advance turn bay will also have its detection upgraded to video detection.

II. INTERSECTION OPERATION

1. The intersection is to operate in a NEMA 5-phase, fully-actuated mode, with the intersection operating as a continuous flow intersection.

NOTES

1. For final pavement markings, refer to the pavement marking plans, as applicable; other than those detailed on the plan. All pavement markings shall be installed in accordance with Administration standards.
2. The contractor shall be responsible for terminating all signal cable to the appropriate terminals and properly label each cable.
3. All traffic signal foundations shall be installed at the final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections, to meet clearances as specified in the appropriate 800 series Standard Plates. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
4. All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
5. The contractor shall maintain the continuous operation of all interconnect, vehicular, pedestrian detectors, and lighting devices. If any device is damaged by the contractor, it shall be repaired within 72 hours by the contractor at no cost to the Administration after notification by the Engineer.

CONTACTS

DISTRICT

MR. BRIAN YOUNG
ASSISTANT DISTRICT ENGINEER - TRAFFIC
1-301-513-7303

MR. AUGIE REBISH
ASSISTANT DISTRICT ENGINEER - UTILITIES
1-301-513-7350

MR. WAYNE MOWDY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
1-301-513-7304

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9087	1 EA	VIDEO INTERFACE EQUIPMENT, 5-8 CAMERAS

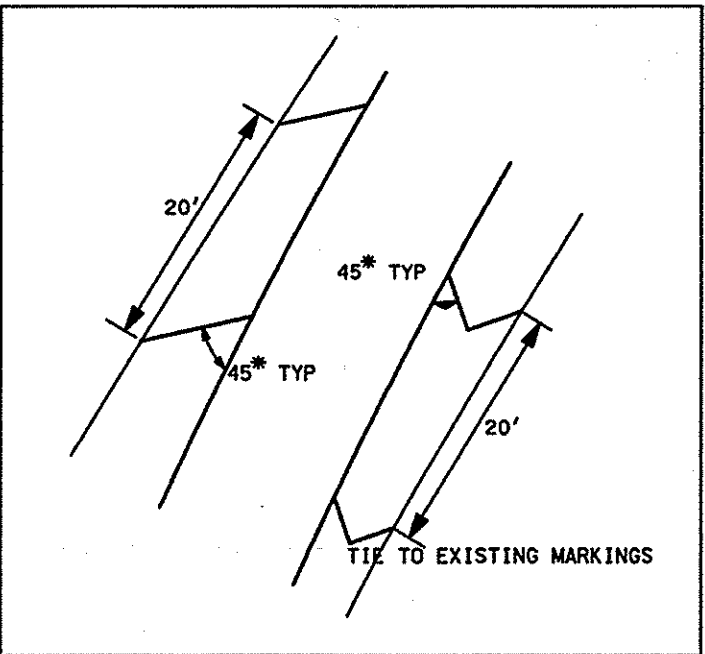
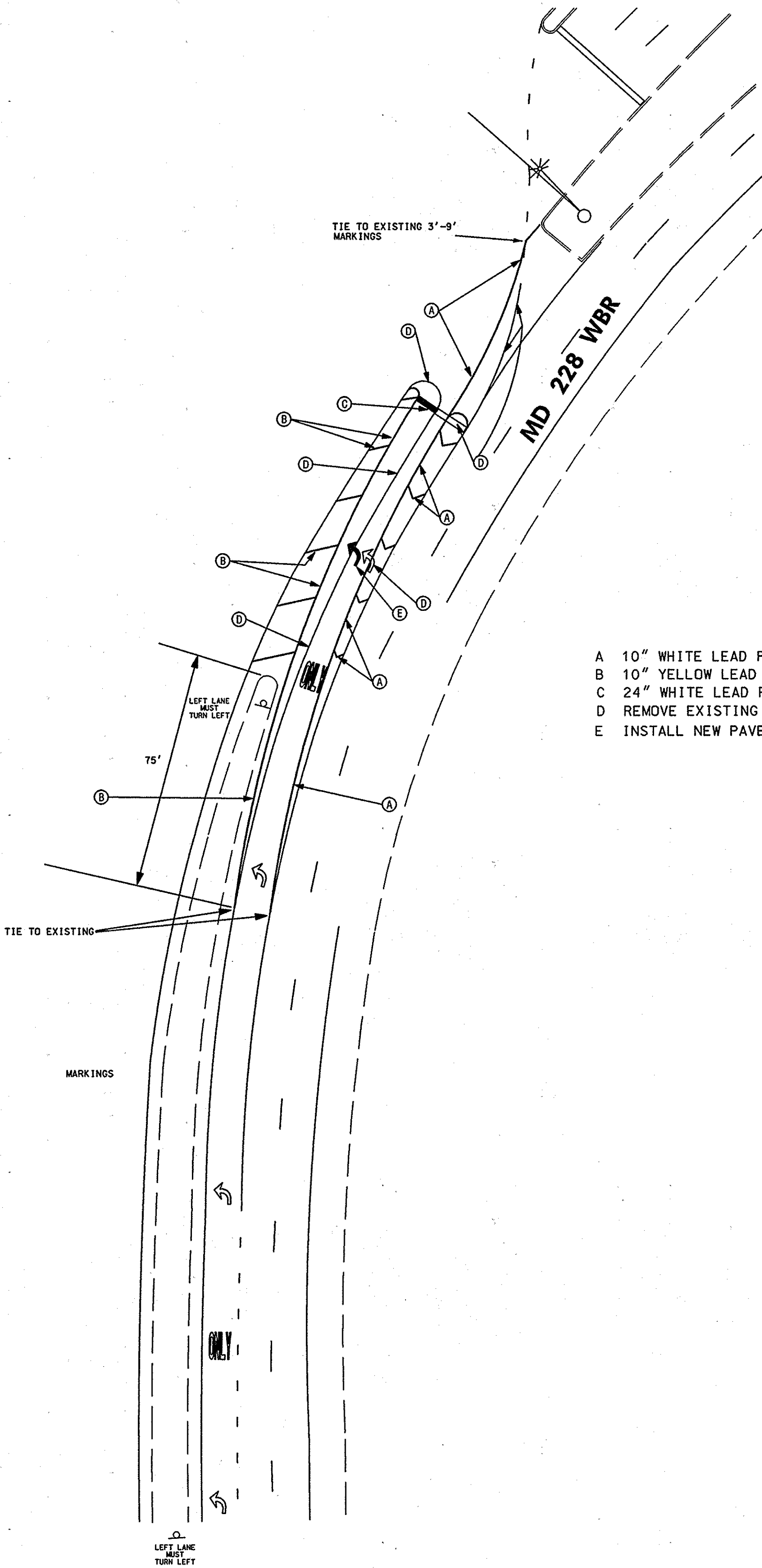
B. EQUIPMENT TO BE FURNISHED AND OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
1003	250 LF	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS-ANY WIDTH
1004	1 EA	REMOVAL OF EXISTING PAVEMENT LETTERS, SYMBOLS, ARROWS AND NUMBERS
5001	600 LF	F&I 5" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5003	10 LF	F&I 24" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
8001	42 EA	F&I 12" (R,Y,G) LED SIGNAL HEAD SECTION
8017	1 EA	REMOVE AND DISPOSE OF EXISTING EQUIPMENT-PER ASSIGNMENT
8048	3 EA	F&I VIDEO DETECTION CAMERA AND CABLE UP TO 500'
8058	150 LF	F&I ELECTRICAL CABLE-5 CONDUCTOR NO 14AWG
8069-A	1 EA	F&I HEAT APPLIED WHITE THERMOPLASTIC ARROWS
8074-A	600 LF	F&I 5" YELLOW THERMOPLASTIC PAVEMENT MARKING
8075-A	2 EA	F&I 700' VIDEO CABLE

** 10" PAVEMENT MARKING ITEMS TO BE QUANTIFIED UNDER 5" ITEMS BY DOUBLING THE QUANTITY

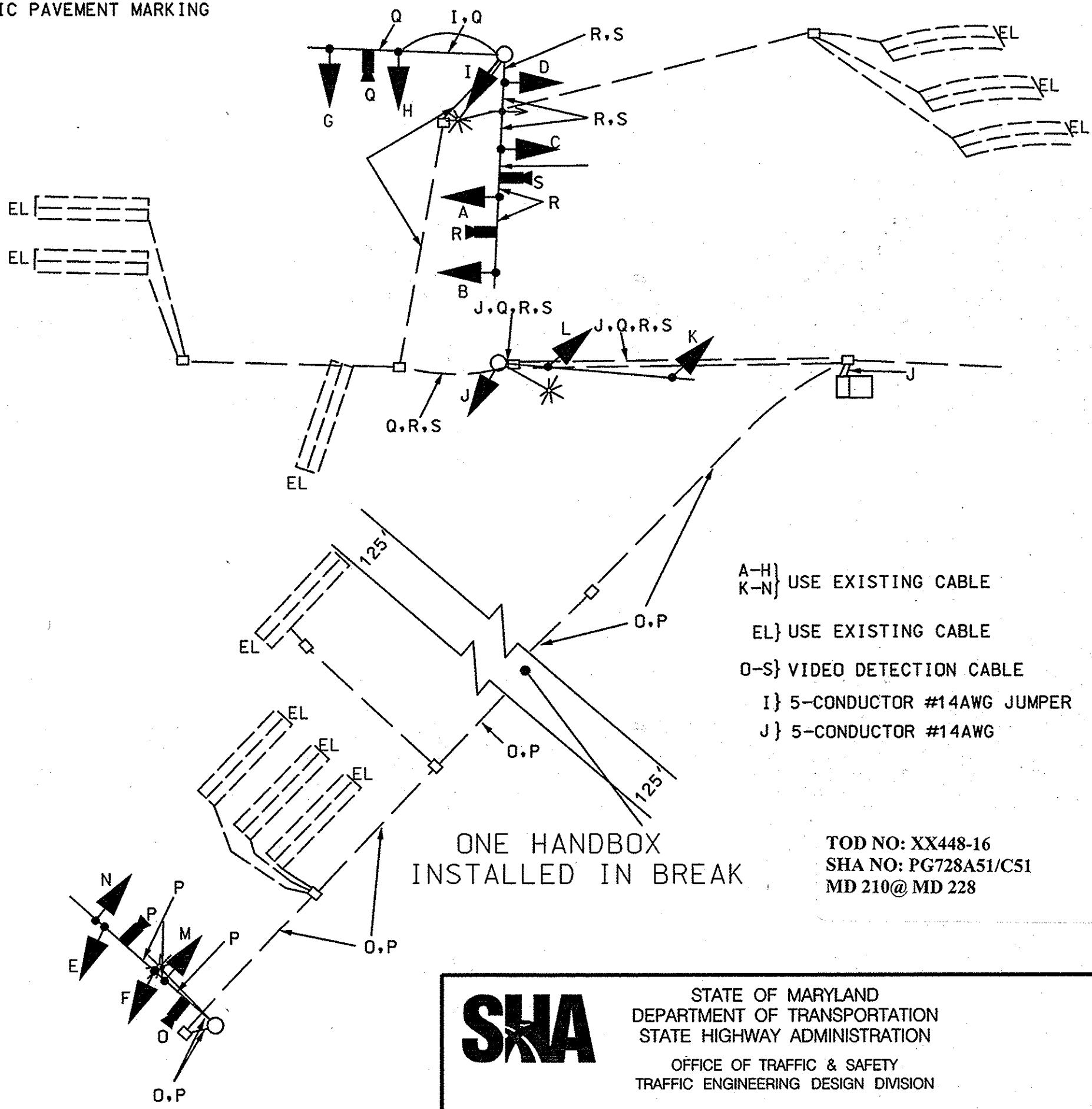
C. EQUIPMENT TO BE RETURNED TO THE SHA SIGNAL SHOP

NONE. SEE NOTE ON SHEET 1. SHA SIGNAL FORCES WILL RECLAIM THE 5 PROGRAMMABLE SIGNAL HEADS THAT ARE REMOVED BY THE CONTRACTOR. ALL OTHER MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR.



- A 10" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING
B 10" YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING
C 24" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING
D REMOVE EXISTING PAVEMENT MARKING
E INSTALL NEW PAVEMENT MARKING ARROW

WIRING DIAGRAM



ONE HANDBOX
INSTALLED IN BREAK

TOD NO: XX448-16
SHA NO: PG728A51/C51
MD 210@ MD 228

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 210 @ MD 228

GENERAL INFORMATION SHEET

SCALE AS SHOWN, ADVERTISED DATE CONTRACT NO. XX4485185

DESIGNED BY C STRAIN COUNTY PRINCE GEORGE'S
DRAWN BY C STRAIN LOGMILE 16021002.90
CHECKED BY J BIDDLE TMS NO. J198
F.A.P. NO. SEE TITLE SHEET TOD NO.

TS NO. 333/C-GI DRAWING SP-2 OF -2 SHEET NO. -2 OF -2

PLOTTED: Wednesday, September 03, 2008 at 2:52:30 PM
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